REMARKS

The foregoing amendments are being made in order to improve the form of the claims for examination and eliminate multiple claim dependencies.

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

In each claim appearing below, deletions are bracketed and additions are underlined.

1. (Amended) [Synchronizer] A synchronizer ring[, having] comprising:

a ring body [(2)] which has a sliding region, [the sliding region being provided with] and

a wear-resistant tribological coating with which the sliding region is provided, [characterized in that]

wherein the tribological coating [(4)] is a thermally sprayed coating which contains a maximum of approximately 40% by weight of a solid lubricant.

2. (Amended) [Synchronizer] The synchronizer ring according to Claim 1, [characterized in that] wherein the solid lubricant is titanium dioxide (TiO_2), calcium fluoride (CaF_2), hexagonal boron nitride (h-BN), graphite, lead (Pb) or molybdenum sulphide (MoS_2) or any desired mixture of these substances.

3. (Amended) [Synchronizer] The synchronizer ring according to Claim 1, [characterized in that] wherein the solid lubricant has a particle size of up to approximately 200 µm [and preferably of between 50 µm and 180 µm].

4. (Amended) [Synchronizer] The synchronizer ring according to [one of the preceding claims, characterized in that] Claim 1, wherein the thermally sprayed coating [(4)] furthermore contains tin and/or zinc and/or silicon and/or nickel and/or

manganese and/or copper and/or aluminum and/or one or more of their oxides and/or one or more of their carbides and/or one or more of their nitrides and/or carbon.

5. (Amended) [Synchronizer] The synchronizer ring according to [one of the preceding claims, characterized in that] Claim 1, wherein the thermally sprayed coating has a porosity of up to approximately 30%.

6. (Amended) [Process] A process for applying a wear-resistant tribological coating to [the] a sliding region of a synchronizer ring[, characterized in that] comprising thermally spraying the coating [(4) is thermally sprayed,] using a spraying compound which contains at most approximately 40% by weight of a solid lubricant [being used].

7. (Amended) [Process] The process according to Claim 6, [characterized in that] wherein the solid lubricant used is titanium dioxide (TiO_2), calcium fluoride (CaF_2), hexagonal boron nitride (h-BN), graphite, lead (Pb) or molybdenum sulphide (MoS_2) or any desired mixture of these solid lubricants.

8. (Amended) [Process] The process according to Claim 6, [characterized in that a] wherein the spraying compound [is] used [which] furthermore contains tin and/or zinc and/or silicon and/or nickel and/or manganese and/or copper and/or aluminum and/or one or more of their oxides and/or one or more of their carbides and/or one or more of their nitrides and/or carbon.

9. (Amended) [Process] The process according to Claim 6, [characterized in that] wherein the coating is [applied in] thermally sprayed by at least one of a wire arc spraying process [and/or] and a flame spraying process.

10. (Amended) [Process] The process according to Claim 9, [characterized in that] wherein the spraying compound [used] is a filled wire which has a filling which contains a solid lubricant [and, if appropriate, tin and/or zinc and/or silicon and/or nickel and/or manganese and/or copper and/or aluminum and/or one or more of their oxides and/or one or more of their carbides and/or one or more of their nitrides and/or carbon].

11. (Amended) [Process] The process according to Claim [10, characterized in that a] 24, wherein the filled wire [with] has a covering of copper and/or tin and/or zinc and/or aluminum and/or their alloys [is used].

12. (Amended) [Process] The process according to [one of the preceding claims, characterized in that] Claim 6, wherein, in addition to a filled wire, a solid wire[, preferably made from CuA18,] is used as the spraying compound.

13. (Amended) [Process] The process according to [one of Claims 6 to 12, characterized in that] Claim 6, wherein the sliding region [(3)], prior to the application of the coating [(4)], is roughened[, preferably sand-blasted] and degreased.

14. (Amended) [Process] The process according to [one of Claims 6 to 13, characterized in that] Claim 6, wherein the coating [(4)] is stamped after it has been applied.